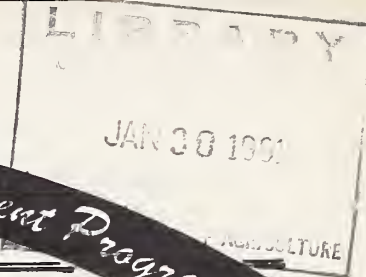


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*A plan for every size herd*

STANDARD DHIA

OWNER SAMPLER

WEIGH-A-DAY - A-MONTH

AGRICULTURAL RESEARCH SERVICE, U. S. DEPARTMENT OF AGRICULTURE

Dairy-Herd-Improvement Letter

ARS-44-86  
(Vol. 36, No. 10)

October 1960

### DHIA COWS PRODUCE AT ALL-TIME HIGH PRODUCTION LEVEL

1959 was another banner year in dairy-herd improvement. During the year DHIA cows established another all-time high-production level, producing on the average 10,327 pounds of milk and 401 pounds of butterfat.

The year to year success of the DHIA program is evidenced by the data in the following table:

Year	Cows on test Number	Average production	
		Milk Pounds	Butterfat Pounds
1906	239	5,300	215
1910	<u>1/</u> 25,000	<u>1/</u> 5,730	<u>1/</u> 227
1920	203,472	6,175	247
1930	507,549	7,642	303
1940	676,141	8,133	331
1950	1,088,872	9,172	370
1955	1,333,866	9,502	375
1956	1,406,306	9,713	383
1957	1,479,799	9,894	389
1958	1,548,884	10,068	394
1959	1,607,538	10,327	401

1/ Estimated

As a group, DHIA members, by using their DHIA records to guide them, have consistently improved their herds by improving their culling, feeding, selection, and herd management practices.

What DHIA members do any dairyman can do. Any dairyman can improve his herd regardless of its size or level of production if he keeps records on his cows and herd and if he uses those records to improve the dairy herd.

The National Cooperative Dairy-Herd-Improvement Program offers to dairymen three recordkeeping plans. These plans are: (1) Standard DHIA; (2) Owner Sampler; and (3) Weigh-a-Day-a-Month. One of these plans will meet the needs of any dairyman in the country and will provide the records needed to improve his dairy herd.

# SUMMARY OF THE 1958-59 DAIRY-HERD-IMPROVEMENT-ASSOCIATION RECORDS, BY STATES

State	Assoc- iations active 1-1-59	Cow-years			Average production			State	Assoc- iations active 1-1-59	Cow-years			Average production		
		Number	Pounds	Pct.	Milk	Test	Fat			Number	Pounds	Pct.	Milk	Test	Fat
Ala	---	18	13,478.3	4.1	6,900	4.1	280	Nev	---	---	---	---	---	---	---
Alaska	---	0	---	---	---	---	---	N. H	---	10,556.0	9,897	4.1	9,897	4.1	403
Ariz	---	6	22,006.8	3.7	10,638	3.7	396	N. J	---	22,716.2	10,241	3.9	10,241	3.9	398
Ark	---	4	417.0	4.0	7,593	4.0	304	N. Mex	---	12,000.0	9,815	3.8	9,815	3.8	369
Calif	---	33	250,313.3	3.9	11,398	3.9	440	N. Y	---	140,972.6	10,965	3.8	10,965	3.8	412
Colo	---	22	8,671.0	3.8	9,998	3.8	384	N. C	---	23,559.2	8,957	3.9	8,957	3.9	350
Conn	---	8	21,774.5	4.0	10,705	4.0	429	N. Dak	---	3,409.6	10,367	3.7	10,367	3.7	380
Del	---	3	3,097.3	4.0	9,498	4.0	377	Ohio	---	44,881.9	10,191	3.9	10,191	3.9	395
Fla	---	10	18,035.2	4.2	7,199	4.2	301	Okla	---	5,354.6	9,565	3.9	9,565	3.9	369
Ga	---	23	12,454.2	3.9	8,307	3.9	328	Ore	---	4,544.1	9,413	4.4	9,413	4.4	411
Hawaii	---	5	200.4	3.4	8,859	3.4	302	Pa	---	117,674.6	10,350	3.9	10,350	3.9	407
Idaho	---	19	19,089.4	4.0	10,046	4.0	401	P. R	---	3,584.6	5,866	3.5	5,866	3.5	206
Ill	---	94	49,637.7	3.9	10,513	3.9	407	R. I	---	2,636.5	10,051	3.9	10,051	3.9	395
Ind	---	64	31,819.5	4.0	10,103	4.0	402	S. C	---	3,962.5	7,801	4.1	7,801	4.1	318
Iowa	---	70	42,449.3	3.8	10,452	3.8	400	S. Dak	---	4,978.3	10,631	3.6	10,631	3.6	383
Kans	---	50	21,134.4	3.8	9,692	3.8	373	Tenn	---	11,083.8	8,144	4.2	8,144	4.2	341
Ky	---	40	9,636.6	4.0	8,884	4.0	351	Tex	---	16,405.5	8,466	4.0	8,466	4.0	339
La	---	8	2,217.5	4.3	6,091	4.3	263	Utah	---	---	---	---	---	---	---
Me	---	15	18,144.9	4.1	10,196	4.1	415	Vt	---	40,624.4	9,389	4.2	9,389	4.2	391
Md	---	18	26,413.4	3.9	10,021	3.9	395	Va	---	45,899.5	9,725	4.0	9,725	4.0	385
Mass	---	13	20,505.6	4.0	10,592	4.0	426	Wash	---	35,836.8	10,730	4.1	10,730	4.1	441
Mich	---	82	49,825.0	3.8	11,230	3.8	426	W. Va	---	6,064.4	9,016	3.9	9,016	3.9	353
Minn	---	152	87,042.0	3.7	10,812	3.7	399	Wis	---	82,485.6	11,058	3.8	11,058	3.8	420
Miss	---	6	4,887.8	4.4	6,377	4.4	278	Wyo	---	---	---	---	---	---	---
Mo	---	43	19,341.0	4.0	9,304	4.0	375								
Mont	---	8	3,624.0	3.7	10,269	3.7	381	Total or							
Nebr	---	28	11,218.0	3.8	9,879	3.8	330	Average		1,500	1,406,665.1	3.9	10,327	3.9	401

PRODUCTION RECORDS REPORTED TO THE DAIRY CATTLE RESEARCH BRANCH BY STATE EXTENSION SERVICES,  
FOR THE PERMANENT FILES DURING 1959 and 1960

First 9 Months of 1960													1959
State	Herd Test Records Reported by--												
	Cows on test in all associations herds on January 1												
	Production records reported 1/ 1959's : Total												
	American Dairy Cattle Club : Brown Swiss Breeders' Association : American Guernsey Cattle Club : Total records reported : Records Returned : 3/ : Production records reported : 2/												
	Number	Number	Number	Number	Number	Number	Number	Number	Number	Pct.	Number	Number	Pct.
Maine-----	20,980	5,443	2,848	8,291	-	-	-	140	8,431	40.2	334	14,438	74.9
N. H-----	11,742	2,676	1,556	4,232	-	-	-	150	4,382	37.3	188	6,807	62.4
Vt-----	45,462	7,821	5,097	12,918	-	124	-	171	13,213	29.1	411	26,859	60.3
Mass-----	22,100	1,582	7,440	9,022	35	301	-	307	9,665	43.7	231	18,630	88.3
R. I-----	2,764	74	428	502	-	-	-	101	603	21.8	24	1,455	52.1
Conn-----	22,035	3,228	5,482	8,710	-	299	-	711	9,720	44.1	262	16,341	74.5
N. Y-----	151,049	-	49,919	49,919	57	337	-	1,074	51,387	34.0	11,551	179,978	126.4
Pa-----	139,606	2	69,876	69,878	-	193	-	632	70,703	50.6	1,367	151,683	125.2
N. J-----	27,516	4,877	3,321	8,198	-	206	-	775	9,179	33.4	251	13,308	51.9
Md-----	44,181	8,302	7,012	15,314	-	223	-	482	16,019	36.3	321	37,153	91.2
Del-----	3,595	-	1,829	1,829	-	6	-	82	1,917	53.3	54	3,592	105.1
Va-----	50,961	19,253	7,734	26,987	-	77	-	913	27,977	54.9	836	43,757	78.7
W. Va-----	8,736	1,775	879	2,654	-	20	-	18	2,692	30.8	64	5,840	74.5
Ky-----	17,348	4,046	615	4,661	-	125	-	137	4,923	28.4	163	4,407	34.0
N. C-----	32,084	3,602	9,608	13,210	-	-	-	863	14,073	43.9	449	17,022	65.7
S. C-----	10,557	603	3,093	3,696	-	108	-	632	4,436	42.0	83	3,800	45.1
Ga-----	19,715	2,590	1,318	3,908	-	19	-	191	4,118	20.9	106	4,693	30.9
Fla-----	21,620	3,348	540	3,888	-	10	-	696	4,594	21.2	102	5,594	26.7
Ala-----	17,803	1,093	4,194	5,287	-	-	-	54	5,341	30.0	126	6,330	40.6
Miss-----	7,678	794	550	1,344	-	9	-	225	1,578	20.6	19	1,911	30.7
Tenn-----	16,283	43	74	117	-	-	-	365	482	3.0	-	3,067	23.6
La-----	3,966	506	30	536	-	-	-	135	671	16.9	2	865	25.3
Ark-----	1,918	63	447	510	-	11	-	53	574	29.9	10	409	38.5
Ohio-----	60,137	17,801	2,397	20,198	12	1,130	-	1,744	23,084	38.4	717	28,618	51.2
Ind-----	35,789	6,162	-	6,162	40	305	-	780	7,287	20.4	90	12,958	36.9
Ill-----	58,272	13,640	16,915	30,555	-	712	-	749	32,016	54.9	793	35,832	64.2
Mich-----	60,851	-	46,177	46,177	-	456	-	625	47,258	77.7	1,555	57,958	105.6
Wis-----	98,986	-	44,974	44,974	-	20	-	18	45,012	45.5	64	38,903	41.1
Minn-----	107,188	29,192	6,307	35,499	-	139	-	334	35,972	33.6	1,747	56,827	58.2
Iowa-----	54,454	13,929	11,563	25,492	-	623	-	232	26,347	48.4	628	33,620	68.2
Mo-----	21,714	5,545	860	6,405	-	153	-	177	6,735	31.0	197	8,697	40.6
N. Dak-----	5,403	1,115	1,450	2,565	-	59	-	22	2,646	49.0	263	2,606	60.2
S. Dak-----	5,883	292	651	943	-	90	-	31	1,064	18.1	15	1,123	19.8
Nebr-----	13,240	889	489	1,378	-	54	-	265	1,697	12.8	66	2,132	18.2
Kans-----	26,110	6,767	1,784	8,551	-	105	-	199	8,855	33.9	301	12,599	51.4
Okla-----	7,348	2,460	-	2,460	-	71	-	233	2,764	37.6	112	1,508	21.9
Tex-----	21,866	2,772	1,460	4,232	-	92	-	236	4,560	20.9	66	6,002	35.6
Mont-----	5,559	701	138	839	-	88	-	51	978	17.6	9	1,141	21.5
Idaho-----	25,441	4,719	86	4,805	-	38	-	263	5,106	20.1	89	7,338	32.6
Wyo-----	1,441	6	90	96	-	-	-	12	108	7.5	5	475	29.2
Nev-----	3,061	-	6	6	-	-	-	-	6	.2	-	256	13.0
Utah-----	16,266	-	2,228	2,228	-	-	-	108	2,336	14.4	85	11,266	79.5
Colo-----	15,514	562	364	926	-	79	-	65	1,070	6.9	63	2,257	16.6
N. Mex-----	4,055	-	109	109	-	-	-	189	298	7.3	6	1,008	33.0
Ariz-----	25,951	98	515	613	-	14	-	40	667	2.6	20	2,166	9.2
Wash-----	43,626	19,073	8,167	27,240	-	2	-	883	28,125	64.5	1,706	16,133	35.0
Oreg-----	28,737	8,531	1,823	10,354	-	70	-	399	10,823	37.7	251	15,501	58.7
Calif-----	295,536	1,938	29	1,967	-	93	-	533	2,593	.9	11	2,957	1.1
P. R-----	4,422	251	-	251	-	-	-	-	251	5.7	19	87	1.8
Hawaii-----	203	193	-	193	-	-	-	-	193	95.1	6	91	42.1
Alaska-----	0	-	-	-	-	-	-	-	-	-	-	0	-
U. S-----	1,746,752	208,357	332,472	540,829	144	6,461	-	17,095	564,529	32.3	25,838	927,998	57.7

1/ Includes cows enrolled since January 1, 1960.

2/ Production records reported on DHIA-718 and DHIA-1095.

3/ Records returned to States because of inconsistent or incomplete data.



